

CLAIMS

1. A generator comprising:

a driving force generating means rotated by natural energy to generate a driving force;

an electricity generating means operated by the driving force of the driving force generating means to generate electricity;

a short-circuit means for switching an output side of the electricity generating means between an output state and a short-circuit state; and

a magnitude recognition means for recognizing a magnitude of the natural energy in both of the output state and the short-circuit state based on a rotational speed of the driving force generating means in the output state and a rotational speed of the driving force generating means in the short-circuit state.

2. The generator according to claim 1, wherein wind power is used as the natural energy.

3. The generator according to claim 1, further comprising a control means for determining which state the electricity generating means should be changed over between the output state and the short-circuit state based on the rotational

speed of the driving force generating means, and controlling the short-circuit means based on the determination result.

4. The generator according to claim 3, wherein wind power is used as the natural energy.

5. The generator according to claim 3, wherein the control means controls the short-circuit means in such a way that the short-circuit means is changed over from the output state to the short-circuit state when the rotational speed of the driving force generating means in the output state is equal to or higher than a braking initiation value, and the short-circuit means is changed over from the short-circuit state to the output state when the rotational speed of the driving force generating means in the short-circuit state is lower than a braking initiation value.

6. The generator according to claim 5, wherein wind power is used as the natural energy.